Supplemental Data

The Molecular Mechanism for Receptor-Stimulated Iron Release from the Plasma Iron Transport Protein Transferrin

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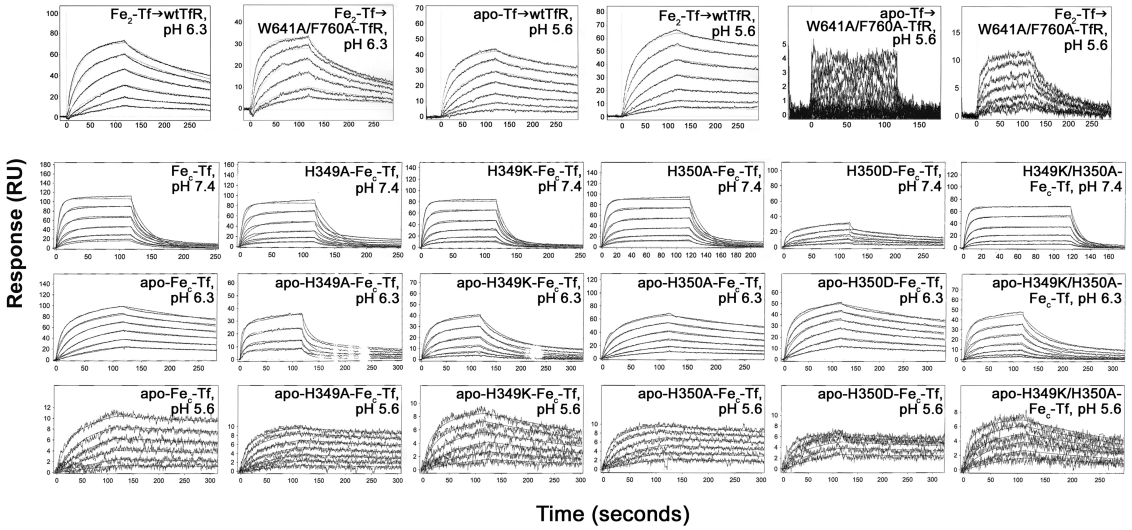

Figure S1. SPR Analysis of Iron-Loaded and apo Forms of Fe_2-Tf and Fe_C-Tf Binding to wtTfR and W641A/F760A-TfR

Experimentally-observed responses are shown as black lines with the best-fit binding curves (gray lines) derived from a bivalent ligand or 1:1 binding model superimposed (see Methods). Injection series are related by two-fold dilutions. The highest concentrations in the injection series for the six sensorgrams in row 1 are 125 nM, 250 nM, 500 nM, 500 nM, 10 μM and 312 nM, respectively. The highest concentrations in the injection series for the sensorgrams in rows 2 and 3 are 250 nM, except for the H350D-Fe_C-Tf, apo-H349A-Fe_C-Tf and apo-H349K/H350A-Fe_C-Tf sensorgrams, in which the highest concentrations were 125 nM, 500 nM and 500 nM, respectively. The highest concentrations in the injection series for the sensorgrams in row 4 are 100 nM, except for the apo-Fe_C-Tf and apo-H350D-Fe_C-Tf sensorgrams, in which the highest concentrations were 32 nM and 12.5 nM, respectively.